Ildiko Csokane Pechmann; Summit, NJ 07901; cell: 908-205-3619; e-mail: ildiko.pechmann@gmail.com
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Ildiko Csokane Pechmann, PhD

Summary
GIS Lab Supervisor for Rutgers University. 12+ years of experience in remote sensing, LiDAR data processing and GIS including providing GIS technology to the Meadowlands region and constituent municipalities. Responsibilities include: providing mapping support to towns of the Hackensack Meadowlands; providing CAD and GIS support for the New Jersey Sports and Exposition Authority (NJSEA, formerly NJMC) for landuse, cadastral, hydrology and hydrologic modeling of the Lower Hackensack River estuary. Experience in proposal writing and managing projects targeting the assessment of ecological conditions at wetland enhancement sites at the urban wetlands of the Hackensack River estuary funded by EPA, Army Corp of Engineers (ACOE) and the New Jersey Meadowlands Commission (NJMC) in compliance with CERCLA and NEPA. Diversified skill sets covering GIS and image processing, hyperspectral image classification, vegetation mapping and monitoring, field spectrometry.

Education
University of Debrecen,   Debrecen, Hungary
Ph.D. in Earth Sciences
<u>Graduated</u> October 2005

University of Debrecen,   Debrecen, Hungary
M.Sc. degree in Ecology
<u>Graduated</u> June 2000

University of Debrecen,   Debrecen, Hungary
B.Sc. degree in Biological Sciences
<u>Graduated</u> June 1997

Employment
December 2017 – Present GIS Lab Supervisor   Newark, NJ
Meadowlands Environmental Research Institute (MERI), Rutgers University
    <u>Responsibilities:</u>
    Oversee GIS operations and research at MERI's GIS lab in relation to the Meadowlands region
    Leads and coordinates environmental and GIS project and services with internal and external stakeholders, including leading the municipal outreach program
    Leads and coordinates all geomatic initiatives, including collaborating with external partners
    Documents work performed, maintains databases, and develops information for research papers
    Write proposals

January 2012 – December 2016 Senior Environmental Scientist   Lyndhurst, NJ
New Jersey Meadowlands Commission (now NJSEA)
    <u>Responsibilities:</u>
    Analyze and model environmental data utilizing GIS tools and write reports
    Manage environmental and GIS project
    Assess urban flood risk assessment utilizing GIS tools
    Coordinate hyperspectral image acquisition and analyze hyperspectral imagery
    Write proposals

January 2010 - January 2012 Geospatial analyst and consultant   Summit, NJ
Freelancer
    Responsibilities:
    Analyze and model soil heavy metal distribution
    Assess changes in biodiversity and biomass in relation to heavy metal distribution utilizing GIS tools
    Coordinate soil and ground water sampling programs

October 2005 – January 2010 Postdoctoral Fellow   Newark, NJ
Rutgers University (formerly UMDNJ)
    Responsibilities
    Spatial modelling and geospatial statistics of contaminants in urban brownfields
    GIS and remote sensing support for monitoring of restored/mitigated marsh areas
    GIS support of water and sediment chemistry monitoring

Skills

Name	Proficiency	Yrs experience	Last used
GPS/GIS	Proficient	11+ yrs	Use currently
Digital mapping	Proficient	11+ yrs	Use currently
Remote sensing	Proficient	11+ yrs	Use currently
Computer modelling	Advanced	8+ yrs	Use currently
Wetland delineation	Advanced	4+ yrs	Use currently
Flood modelling	Advanced	3+ yrs	Use currently
GIS project management	Proficient	5+years	Use currently

Software

Name	Proficiency	Yrs experience	Last used
ArcGIS 10.2 suites	Proficient	11+ yrs	Use currently
ENVI 5.0, ENVI LiDAR	Proficient	11+ yrs	Use currently
Quick Terrain Modeler	Advanced	3+ yrs	Use currently
ERDAS 8.1	Advanced	10+ yrs	2010
Surfer 10.0	Advanced	8+ yrs	2010

Professional Memberships
Since 2016 **– Executive Board Member of NJ State Geospatial Forum**
Since 2008 – **Member of NJ State Geospatial Forum**
Since 2008 – **Member of North-Atlantic Chapter of MacUrisa**